



Anders Huitfeldt

Anders Huitfeldt Curriculum Vitae

Doctoral Thesis

- Title** *Emulation of Target Trials to Study the Effectiveness and Safety of Medical Interventions*
- Supervisors** Miguel A. Hernan (Chair), James M. Robins, Mette Kalager
- Description** This thesis presents applications of the modern theory of causal inference for problems arising in medical decision making, with a particular focus on questions about the timing of interventions and the use of "active comparators" in observational data. Defended August 31st 2015

Education

- 2019 **Master of Science in Philosophy of Science (expected)**,
London School of Economics and Political Science, London, UK.
Master's degree in philosophy of science.
- 2015 **Doctor of Science in Epidemiology**,
Harvard University, Cambridge, MA.
Major concentration in Epidemiologic Methods Development. Minor concentrations in Biostatistics and Decision Theory.
- 2011 **Master of Science in Epidemiology**,
Harvard University, Cambridge, MA.
Course focus in Causal Inference, HIV Epidemiology and Decision Analysis. GPA 3.89
- 2008 **Bachelor of Medicine, Bachelor of Surgery, Bachelor of Obstetrics**,
Royal College of Surgeons in Ireland, Dublin.
Six-year Undergraduate Medical Program.
- 2002 **Studies in the Department of Mathematics**,
Norwegian University of Science and Technology, Trondheim.
Completed two years of academic credit in one year, including all requirements for an "Emnegruppe" in mathematics, equivalent to an undergraduate minor concentration

Employment History

- 2018- **Researcher**, *Norwegian Institute of Public Health*, Oslo, Norway.
Responsibilities include health technology assessment, meta-analysis and comparative effectiveness research.
- 2015-2016 **Postdoctoral Scholar**, *Stanford University School of Medicine*, Palo Alto, California.
Postdoctoral Scholar at METRICS (The Meta-Research Innovation Center at Stanford).
- 2010 **Intern Physician in General Practice**, *Hoyanger Municipality*, Hoyanger, Norway.
Primary health care provider working under the supervision of a General Practitioner.
- 2008-2009 **Intern Physician in Medicine and Surgery**, *Haukeland University Hospital*, Bergen, Norway.
Junior physician attached to in-patient services in Departments of Medicine and Surgery. Rotations in cardiology, gastroenterology, plastic surgery, orthopedics and general surgery.

Teaching Experience

- EPI207 Advanced Epidemiologic Methods (Fall 2012, 2013 and 2014) (Head TA)
Primary instructors: James Robins and Miguel Hernan
- EPI202 Elements of Epidemiologic Research (Fall 2012)
Primary instructor: Murray Mittleman
- EPI500 Fundamentals of Epidemiology (Summer 2013)
Primary instructor: Albert Hofman
- EPI203 Study Design in Epidemiologic Research (Spring 2014 and 2015)
Primary instructors: Tyler VanderWeele and Sonia Hernandez-Diaz
- BIO206/7 Statistics for Medical Research (Summer 2014)
Primary instructor: E. John Orav
- ID205 Societal Response to War and Disaster (Spring 2015)
Primary instructor: Jennifer Leaning

Publications

- 1 *"Methods to estimate the comparative effectiveness of clinical strategies that administer the same intervention at different times"*. Huitfeldt A, Kalager M, Robins JM, Hoff G, Hernan MA. *Curr Epidemiol Reports* 2015;2(3):149-61.
- 2 *"Incentives and participation in a medical survey"* Gjostein DM, Huitfeldt A, Loberg M, Adami HO, Kalager M, Bretthauer M. *Tidsskr Nor Laegeforen*. 2016 Jul 5;136(12-13):1082-1087.
- 3 *"Comparative effectiveness research using observational data: Active comparators to emulate target trials with inactive comparators"* Huitfeldt A, Hernan MA, Kalager M, Robins JM. *eGEMs*: Vol. 4: Iss. 1, Article 20.
- 4 *"Is caviar a risk factor for being a millionaire?"* Huitfeldt A. *BMJ* 2016;355:i6536.
- 5 *"The choice of effect measure for binary outcomes: Introducing counterfactual outcome state transition parameters"* Huitfeldt A, Goldstein A, Swanson SA. *Epidemiologic Methods* 2018, 20160014, ISSN (Online) 2161-962X

Working Papers

- 6 *"On the collapsibility of measures of effect in the counterfactual causal framework"*
Huitfeldt A, Stensrud MJ, Suzuki E. Status: Revise and resubmit at Emerging Themes in Epidemiology
- 7 *"Effect heterogeneity and variable selection for standardizing experimental findings"*
Huitfeldt A, Swanson SA, Stensrud MJ, Suzuki E. Status: Working paper available on arXiv
- 8 *"Can the results of the WHI E+P trial be explained by differential statin initiation?"*
Huitfeldt A, Hernan MA, Kalager M, Robins JM. Status: Working paper available on request

Letters to the Editor

- 9 *"Odds ratios are not conditional risk ratios"* Huitfeldt A. Published ahead of print at *Journal of Clinical Epidemiology*. In response to the paper "Odds ratios deconstructed: A new way to understand and explain odds ratios as conditional risk ratios". Hoppe FM, Hoppe DJ, Walter SD. *Journal of Clinical Epidemiology* 2016.
- 10 *"Re: Generalizing study results: a potential outcomes perspective"* Huitfeldt A., Stensrud MJ. Published ahead of print at *Epidemiology*. In response to the paper "Generalizing Study Results: A Potential Outcomes Perspective". Lesko et al, *Epidemiology* 2017

Non-Academic Publications

- 11 *"Outdated journal policies are preventing biomedical science from entering the digital era of academic publishing"* Huitfeldt A. Medium 2016.

Invited Talks

Title "The value of causal information".
The 2016 Brocher Summer Academy on Population-Level Bioethics. June 21st 2016

Title "A new approach to effect measures for binary outcomes".
Department of Epidemiology, Stanford University School of Medicine, March 30th 2016

Peer Review

Editorial board member at *BMJ Evidence Based Medicine*

Reviewer for *Epidemiology* (4 reviews), *BMJ* (3 reviews), *Epidemiologic Methods* (2 reviews), *BMJ Evidence Based Medicine* (2 reviews) *PLoS One* (1 review), *Annals of Epidemiology* (1 review)

I welcome requests for peer review in methodology, pharmacoepidemiology and medical decision making. I give priority to requests from open access journals.

Awards and honors

- 2012 Pass with distinction on departmental qualifying exam
Department of Epidemiology, Harvard T.H. Chan School of Public Health
- 2008 Dan Kelly Memorial Award (Royal College of Surgeons in Ireland)
Awarded to the member of the graduating class who has, in the opinion of that class, contributed most to the life and work of the class as a whole
- 2005 Zachary Johnson Prize (Royal College of Surgeons in Ireland)
For best project in Epidemiology and Public Health
- 2002 Full tuition scholarship to study medicine at the Royal College of Surgeons
Awarded by Norwegian University of Science and Technology

Conference Organization

- 2016 Brocher Summer Academy in Population-Level Bioethics, on the Ethics of Randomized Trials in Development Economics.
Co-organizer of ethics conference, with responsibilities for the academic program and speaker invitations. More information available at <http://www.brocher.ch/en/events/203>

Conferences Attended

The star symbol (*) is used to indicate oral presentation and the pound symbol (#) is used to indicate poster presentation

- 2018 European Causal Inference Meeting, Royal Statistical Society International Conference(*), International Conference on Evidence-Based Health Care (*)
- 2017 Atlantic Causal Inference Conference(#), UK Causal Inference Meeting(*), Society for Epidemiologic Research (#), Time and Causality in the Sciences Conference
- 2016 Atlantic Causal Inference Conference, Brocher Summer Academy in Population-Level Bioethics (*)
- 2015 Society for Epidemiologic Research (#), Atlantic Causal Inference Conference (#)
- 2014 Society for Medical Decision Making (#)
- 2013 Atlantic Causal Inference Conference
- 2012 Society for Epidemiologic Research, Society for Medical Decision Making (European Meeting)

Representation

- 2013-2014 Vice President for Student Advocacy
Student Government at Harvard School of Public Health

2006-2007 Officer for Welfare and Rights
Student Union at Royal College of Surgeons in Ireland

University Committees

2013-2014 Committee on Admissions and Degrees, Harvard T.H. Chan School of Public Health
(Student Representative)

2013-2014 Committee on Educational Policy, Harvard T.H. Chan School of Public Health
(Student Representative)

Computer skills

Basic Stata, R, HTML, L^AT_EX, PYTHON
Intermediate SAS, TreeAge
Advanced Microsoft Office

Qualifications

2010- Full registration to practice medicine in Norway, transferable to any country in the
European Union

Languages

Norwegian **Native speaker**
English **Near native level**